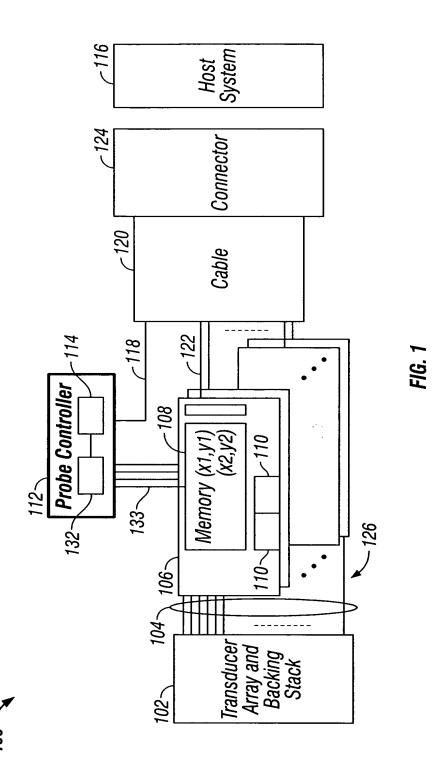
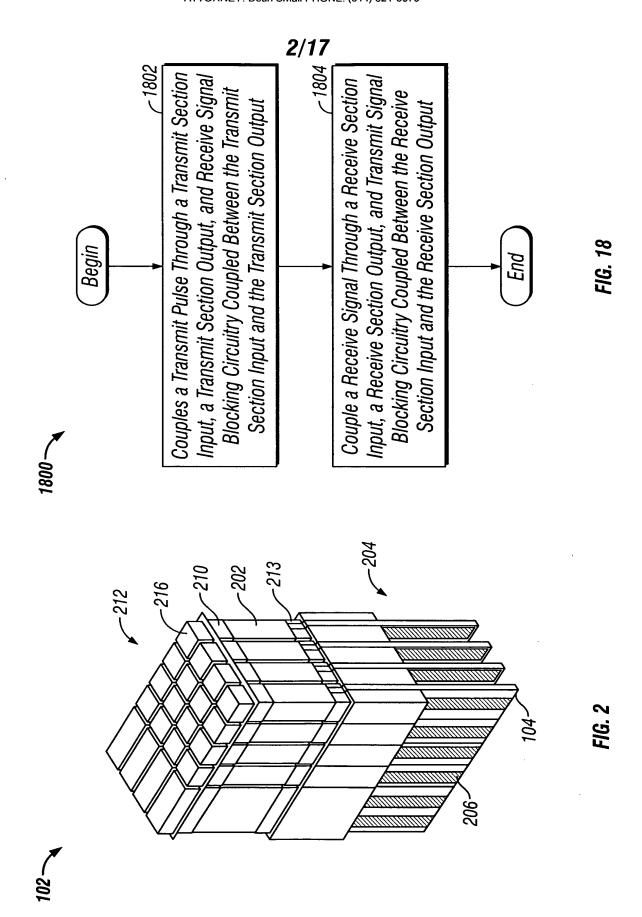
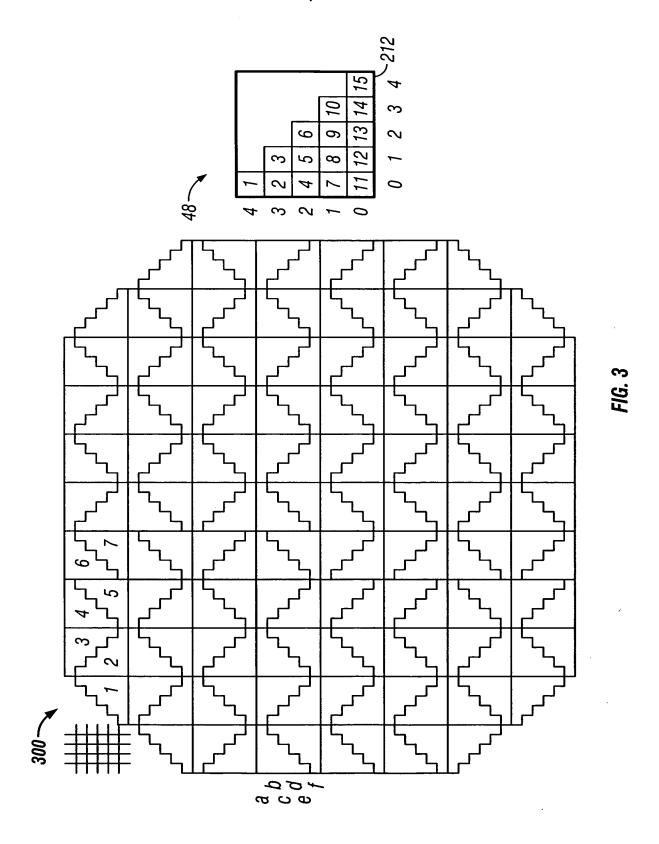


TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070 Replacement Sheet

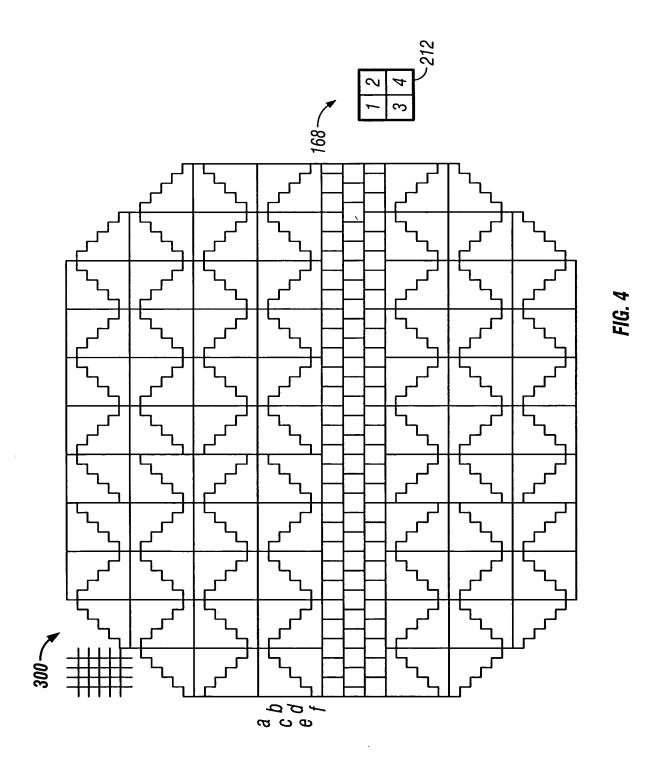






TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070

4/17



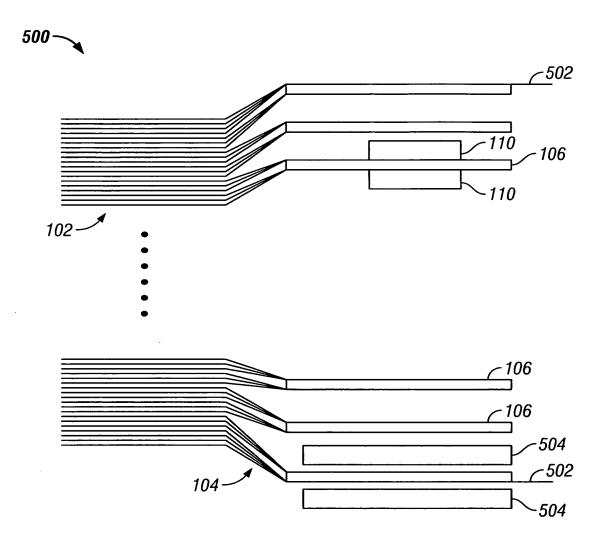


FIG. 5

6/17

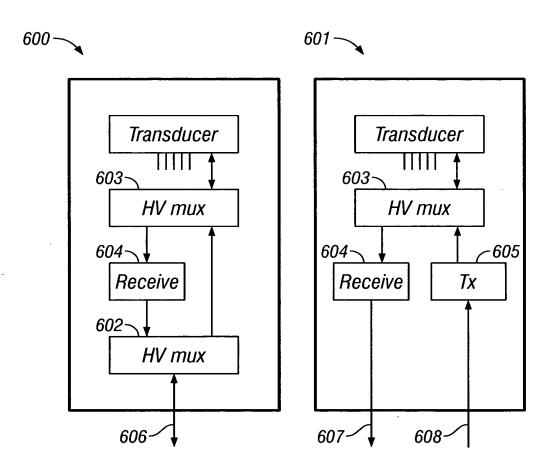
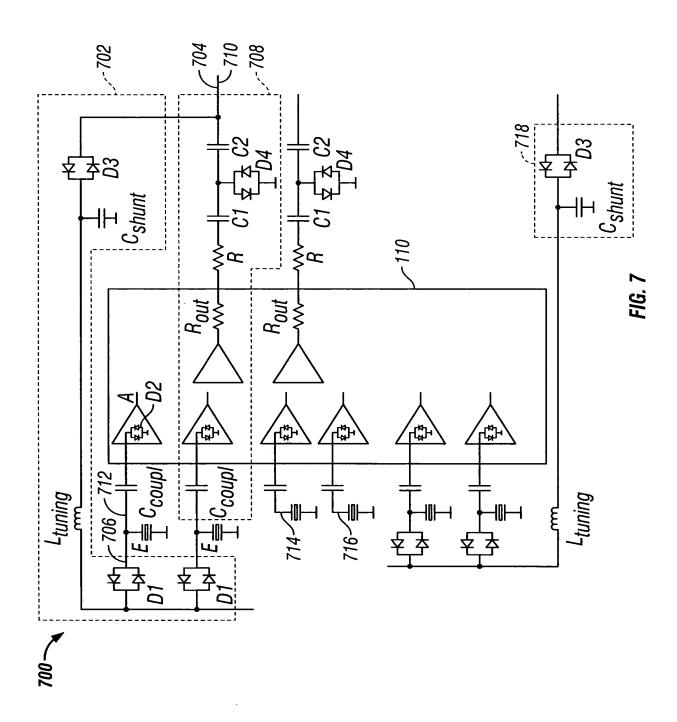


FIG. 6

TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen

S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070



802-		80	04
	Tuning Inductors		Tuning Inductors
	D3 and D4 Diode Arrays		D3 and D4 Diode Arrays
	Signal Processors 110 110		Signal Processors 110 110
	D1 Diode Arrays		D1 Diode Arrays
	Transducer Flex Connector		Transducer Flex Connector

FIG. 8

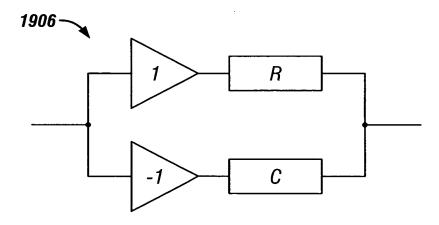


FIG. 11

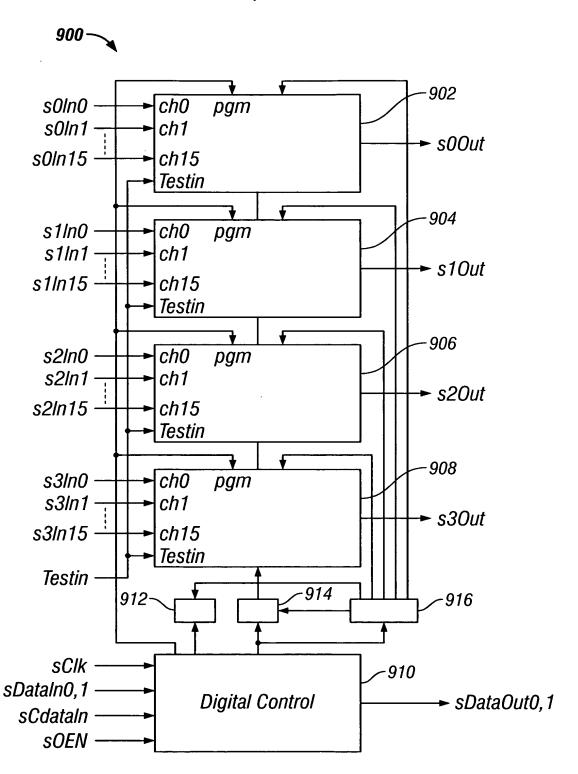
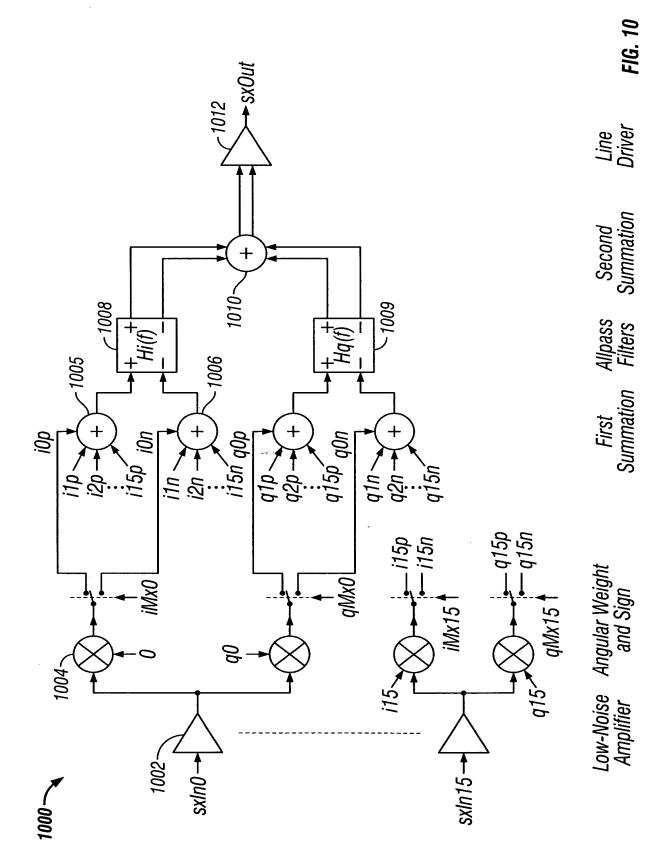
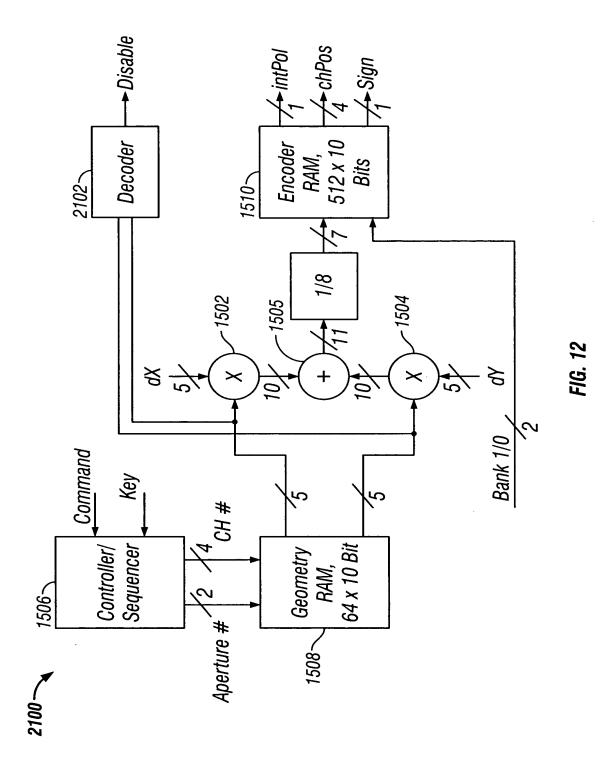


FIG. 9

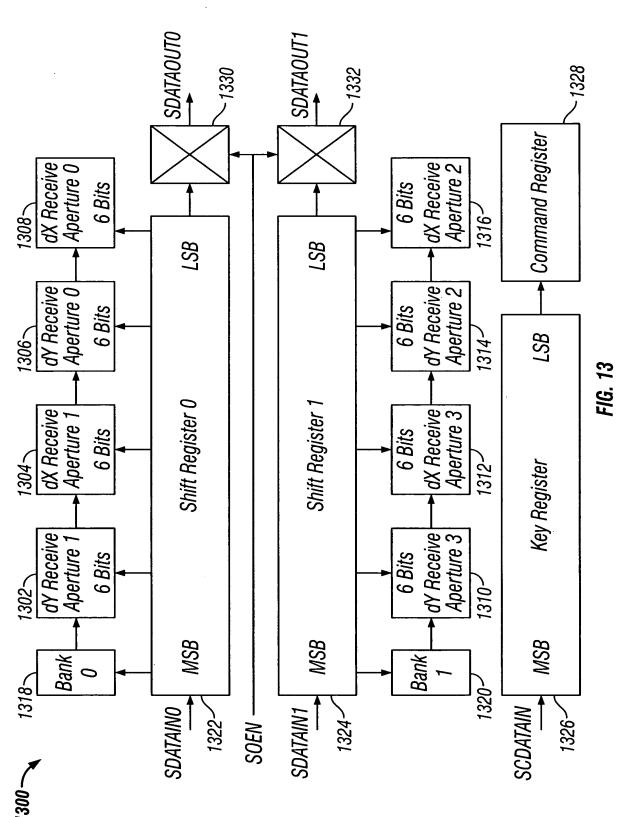
S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070

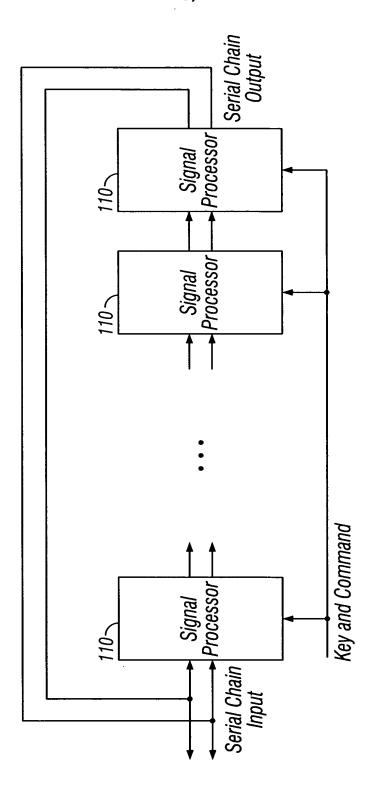


S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070



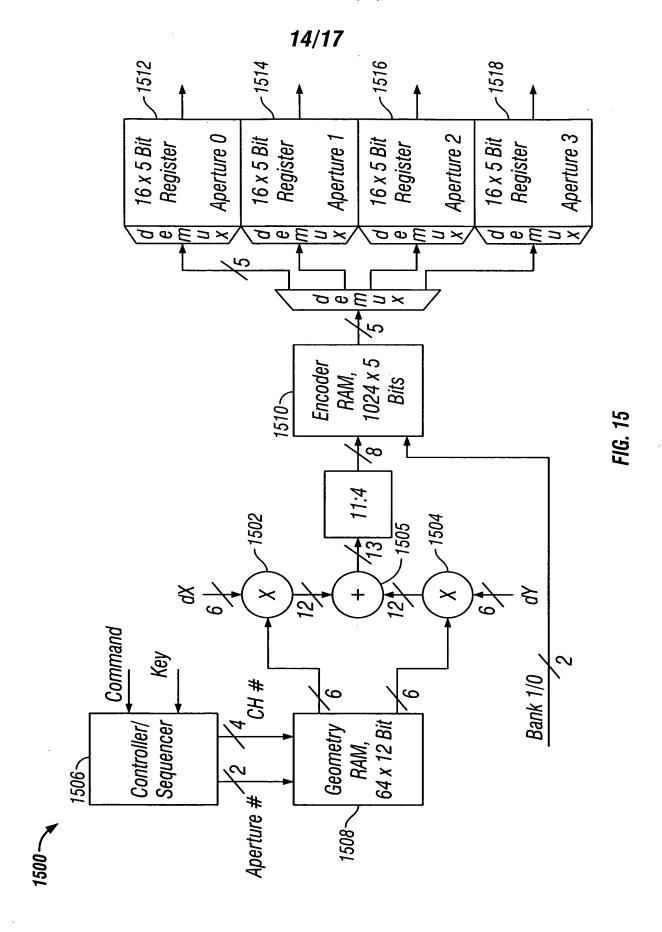






-16. 14

S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070



TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Arne Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043)

ATTORNEY: Dean Small PHONE: (314) 621-5070

15/17

1600



-1602

Receive, at Signal Processors Distributed Over Processing Boards, Multiple Receive Signals from Acoustic Transducer Elements that Form Triangular Receive Apertures that are Not Partitioned Between Processing Boards

-1604

Multiplex at Least One of the Acoustic Transducer Elements Between the Receive Aperture and a Square Transmit Aperture

-1606

Drive a Receive Aperture Output with a Signal Obtained Over the Acoustic Transducer Elements in the Receive Aperture

~1608

Couple Transmit Signals to Multiple Transmit Apertures Over Transmit Signal Connections Distributed Between Multiple Processing Boards that Do Not Partition the Transmit Apertures Between Processing Boards



FIG. 16

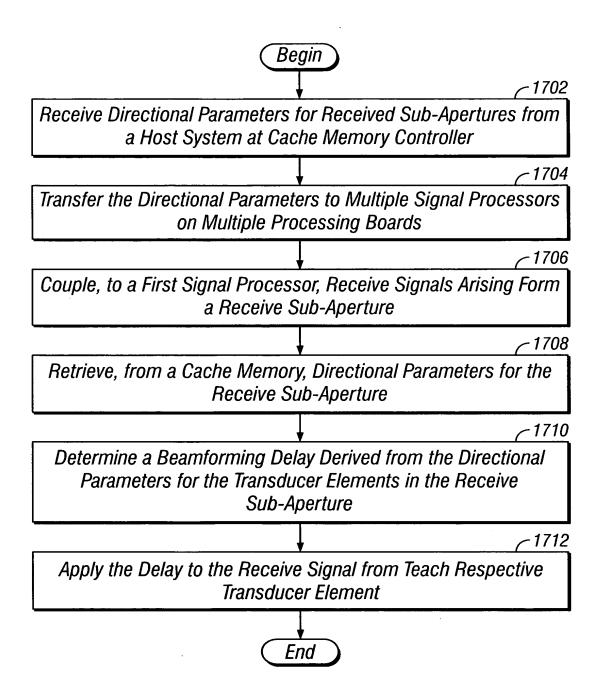


FIG. 17

TITLE: Ultrasound Probe Distributed Beamformer INVENTORS: Geir Ultveit Haugen, Per Ame Linnerud and Kjell Kristoffersen S/N: 10/719,417 DOCKET: 135274 (AT 12553-01043) ATTORNEY: Dean Small PHONE: (314) 621-5070

